

Form 4-683  
(January 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

|                       |         |
|-----------------------|---------|
| Mineral Survey number | 4654    |
| State                 | Arizona |
| Land District         | Arizona |

Of the Survey of the Mining Claim of *(name and address of Claimant)*

ALFRED W. STORER  
CECILE C. STORER  
124 West Main Street  
Scottsdale, Arizona 85251

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

| NAME OF LOCATION           | DATE    |         |
|----------------------------|---------|---------|
|                            | LOCATED | AMENDED |
| Arizona Amethyst Mill-site | 11/1/63 |         |

|                  |          |                  |          |                          |
|------------------|----------|------------------|----------|--------------------------|
| Mining district  |          |                  | County   |                          |
| Four Peaks       |          |                  | Maricopa |                          |
| Section          | Township | Range            | Meridian | Survey under order dated |
| 21 (Unsur.)      | 4N       | 10E              | G&SR     | Nov. 25, 1966            |
| Survey commenced |          | Survey completed |          | Name of Mineral Surveyor |
| Nov. 25, 1966    |          | Jan. 3, 1967     |          | Harvey W. Smith          |



F E E T

This survey was made with a Swiss Kern theodolite, model DKM1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and twenty-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles direct to 10 seconds accuracy. The instrument is equipped with a colored eye-shade to be attached for making direct observations on the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian established by direct observation on the sun. At 3:44 P.M. on November 28, 1966 at Cor. No. 4 of the Arizona Amethyst Mill-site, latitude 33°40'29" North, longitude 111°20' West, turning from a reference pt. about 300 ft. West, clockwise to sun in a southwest direction.

True bearing of reference pt. S. 88°12'45" W.

The lines were measured with a Lufkin "Pioneer" steel tape, 300 ft. in length, graduated every ft. for 299 ft. and the remaining ft. graduated to tenths and hundredths. One additional ft. at the "0" end of the tape is also graduated in tenths and hundredths. The tape was compared to a standard and found to be correct. All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 13°15' East.

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SURVEY NO. 4654

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Arizona Amethyst Mill-site

At Cor. No. 1 of the Arizona Amethyst Mill-site

Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4654 A.A.M.S. 1X; from which

U.S.L.M. No. 4273, Sur. No. 4273, bears S. 4°23'40" E., 581.26 ft. dist., a stone ledge, 4x6 ft. in size, 20 ft. high, mkd. U.S.L.M. 4273X.

A mound of stones constructed adjacent to the iron post.

Thence S. 88°12'45" W.

| FEET   |   |
|--------|---|
| 80.0   | Left bank of drainage, 10 ft. wide, course S. 65° W.  |
| 205.43 | <p>Witness pt. for Cor. No. 2</p> <p>Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4654 A.A.M.S. 2X WC; from which</p> <p>A mound of stones constructed adjacent to the iron post.</p> |
| 220.0  | Right bank of drainage, 50 ft. wide, course N. 65° W. Secondary drainage veers west and line follows this drainage.   |
| 330.0  | <p>Cor. No. 2. This corner falls in drainage ravine where monument would be obliterated; from this pt. Cor. No. 2, Sur. No. 4273 ARIZONA AMETHYST PLACER bears S. 85°04'45" W., 185.80 ft. dist.</p> <p>Thence N. 4°23'40" W.</p>   |
| 40.0   | Right bank of drainage, 50 ft. wide, course N. 85° W.   |
| 500.0  | Ridge bears N. 87° E. and S. 87° W.   |
| 660.0  | <p>Cor. No. 3</p> <p>Set a brass cap, 2 ins. diam. with a three-inch-long shank in a 25 pound concrete cylinder, 8 ins. diam., 12 ins. long, 9 ins. in the ground, mkd. M.S. 4654 A.A.M.S. 3X; from which</p> <p>A mound of stones constructed adjacent to the iron post.</p> <p>Thence N. 88°12'45" E.</p>                     |
| 330.0  | <p>Cor. No. 4</p> <p>Set a brass cap, 2 ins. diam., with a three-inch-long shank in a 25 pound concrete cylinder, 8 ins. diam., 12 ins. long, 9 ins. in the ground, mkd. M.S. 4654 A.A.M.S. 4X; from which</p> <p>A mound of stones constructed adjacent to the iron post.</p> <p>Thence S. 4°23'40" E.</p>                     |
| 155.0  | Ridge bears East and West.  |
| 630.0  | Right bank of drainage, 10 ft. wide, course S. 70° W.   |
| 660.0  | <p>Cor. No. 1 and the place of beginning.</p> <p>The Arizona Amethyst Mill-site contains 4.995 acres.</p>   |

FEET

AREAS

Acres

Total area Arizona Amethyst Mill-site 4.995

LOCATION

This survey is located in Sec. 21 (Unsur.),  
T. 4 N., R. 10 E., G. & S. R. B. & M.

The survey of the Arizona Amethyst Mill-site is  
identical with its location as marked on the ground.

EXPENDITURES

None

OTHER IMPROVEMENTS

A wood frame cabin, the N.E. Cor. of which bears  
S. 43°30' W., 225 ft. from Cor. No. 4 of the Arizona  
Amethyst Mill-site; 12 x 14 ft. in size, the long sides  
bear North.

Claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL  
DATA

U.S.L.M. No. 4273 described above.

Sur. No. 4273, ARIZONA AMETHYST PLACER: Cor. No.  
2 is a stone 12 x 14 ins. in size, 4 ins. above ground,  
firmly set, properly mkd. and witnessed as described  
in the official record. Line 2-3 is shown as approved.

FIELD ASSISTANTS

Name

Capacity

Louis A. Cornego  
George M. Erickson

Instrument-man  
Chainman-Axeman

FEET

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

|                          |                 |
|--------------------------|-----------------|
| Name of Mineral Surveyor | Date            |
| HARVEY W. SMITH          | January 3, 1967 |

I HEREBY CERTIFY That in pursuance of an order received from the Acting Chief, Division of Engineering, Bureau of Land Management, at Phoenix, Arizona dated November 25, 1966, I have carefully executed the survey of the claim of Alfred W. Storer and Cecile C. Storer known as the (lode, placer, or mill site) Arizona Amethyst Mill-site situated in Maricopa County, Sec 21 (Unsur.) Township 4N, Range 10E, G.&S.R.B.&M. Meridian, in the State of Arizona

This survey, designated as number 4654, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in the specific manner described in the foregoing field notes.

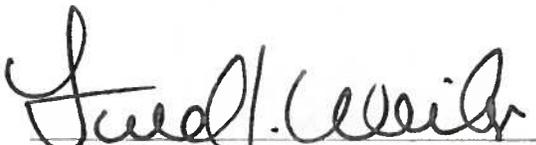
I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) Arizona Amethyst Mill-site location(s) embraced in the said mining claim by claimant(s) or their grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Scottsdale, Arizona (Location)  
  
 (Signature of Mineral Surveyor)  
 Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management  
Office  
Arizona State Office  
Location  
Phoenix, Arizona  
Date  
June 26, 1967

The foregoing field notes of mineral survey number 4654, in Section 21, Township 4 N., Range 10 E., Gila & Salt River State of Arizona, executed by Harvey W. Smith Mineral Surveyor, under order dated November 25, 1966, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

  
 (Authorized Signature)  
 Fred J. Weiler  
 State Director (Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of field notes of the above described mineral survey number is a true copy of the original field notes.

(Authorized Signature) (Title)

Title 18, U. S. C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

The following report was prepared by the author(s) and is being submitted to the Department of Chemistry for publication in the Journal of the American Chemical Society. The author(s) warrant that the work described herein is original and has not been published elsewhere in the English language. The author(s) also warrant that the work described herein does not infringe upon any copyright or other intellectual property rights of any third party. The author(s) further warrant that the work described herein is not being submitted for publication elsewhere in the English language. The author(s) understand that the Department of Chemistry reserves the right to publish the work described herein in the Journal of the American Chemical Society and to make such publication available to the public. The author(s) also understand that the Department of Chemistry reserves the right to make such publication available to the public in any other form and in any other language. The author(s) understand that the Department of Chemistry reserves the right to make such publication available to the public in any other form and in any other language.

Submitted by: [Name]  
Date: [Date]

Approved by: [Name]  
Date: [Date]

Received by: [Name]  
Date: [Date]

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
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CHICAGO, ILLINOIS 60637

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (952)  
BUREAU OF LAND MANAGEMENT M.S. 4654  
ARIZONA STATE OFFICE

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NOTICE OF CANCELLATION OF MINERAL SURVEY

The Arizona Amethyst mill site, Mineral Survey No. 4654, located in section 21, Township 4 North, Range 10 East, Gila and Salt River Meridian, Arizona, is hereby canceled.

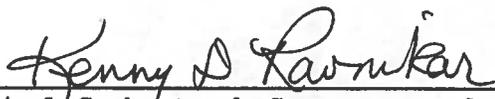
This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Arizona Amethyst mill site, M.S. 4654 was canceled April 20, 1999, by memo 9605 (952) M.S. 4654, which is now a part of the original field notes."

April 20, 1999  
Date

  
Chief Cadastral Surveyor of Arizona

